

Project

Type



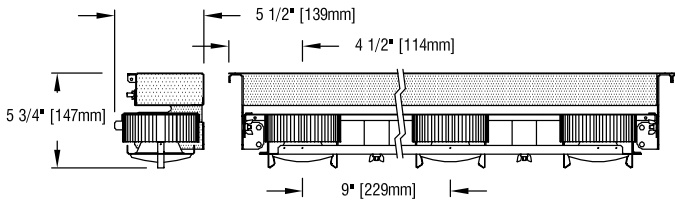
Date

Product Code

Designer

SPREDLITE® CLP PV/9

cove mounted LED wall grazing luminaire



FEATURES

- **Spredlite CLP PV/9 is a luminaire designed to provide uniform grazing illumination** on vertical surfaces between 10' and 30' high using integral LED modules and spread lenses mounted at 9" (229 mm) centers.
- **Luminaire is powered by Cree chip-on-board LED** modules of one of a range of light outputs. See tables below for luminaire wattages and efficacies.
- Luminaire operates on either 120-volt or 277-volt service.
- **Luminaire is designed for surface mounting** in a ventilated architectural light cove (see next page for dimension detail). Modular segments are installed end-to-end as needed to form a continuous run. Each segment provides lockable 0° to 10° angular adjustment allowing precise illumination of the vertical surface below.
- **Standard housing finish is matte black.** Custom color paint finish is available as an option.
- **For more information, [click here](#).**



APPLICATIONS

Fixture provides excellent illumination of specular wall surfaces with no distracting reflections.

Fixture is listed for Cove Mounting and Damp Location. Fixture is approved for 90°C supply wiring. Electrical supply is provided from adjacent accessible outlet boxes (supplied by others).

INSTALLATION

Dimensions: the segment lengths listed under "Product Code" are precise; segments can be bolted end-to-end to ensure uniform lamp spacing.

Mounting: secure segments to wood or metal framing members only.

Ends and Corners: leave at least 1" between the end of a cove and the nearest segment, and at least 2" between segments at corners.

Ventilation: the cove must be vented to ensure proper Spredlite performance and maximize driver life. See details below.

Warranty Detail

Our 5-year warranty does not include the provision of scaffolding, man-lifts, 'cherry pickers' or other extraordinary means of access to a product requiring maintenance.

In the boxes below, record the number of segments you will need for your Spredlite order. The worksheet on page 3 will help you decide.

PRODUCT CODE

The product code for a Spredlite segment includes the Basic Unit and a Segment Length. The product code for a Spredlite run includes a list of the segments required; see example below.

Basic Unit SPR*CLP2-PV9

Driver

DMV: drivers dimmable to 1% by a 0-10V dimmer - DMV
 ECO-LU: Lutron H-series drivers dimmable to 1%, compatible with Lutron ECOSystem - ECO-LU
 DVOELG: eldoLED 0-10V (Logarithmic) drivers dimmable to 0.1% with a 0-10V dimmer - DVOELG
 DVOELN: eldoLED 0-10V (Linear) drivers dimmable to 0.1% with a 0-10V dimmer - DVOELN
 DAO-EL: eldoLED drivers dimmable to 0.1%, compatible with DALI control system - DAO-EL

Light Source Output

700 lumens / CRI 92 2700K & 3000K only - L07H
 1100 lumens..... 2700K & 3000K only - L11H
 1500 lumens..... 2700K & 3000K only - L15H
 1800 lumens..... 2700K & 3000K only - L18H
 800 lumens / CRI 80+ - L08S
 1300 lumens - L13S
 1700 lumens - L17S
 2100 lumens..... - L21S

Light Color

2700K - 27K
 3000K - 30K
 3500K not available with CRI 92 modules - 35K
 4000K not available with CRI 92 modules - 40K
 5000K not available with CRI 92 modules - 50K

Segment Length

two-module segment, 18" long -18

 three-module segment, 27" long -27

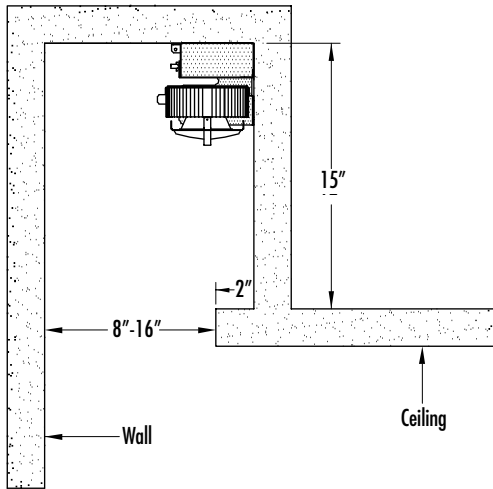
 four-module segment, 36" long -36

 five-module segment, 45" long -45

Custom painted segment housings are available on special order. Add -CCH



See table below for cove dimension and ventilation requirements.



COVE DIMENSION AND VENTILATION REQUIREMENTS

| Ceiling Height | Cove Opening | Cove Height | Recommended Light Source Output |
|----------------|--------------|-------------|---------------------------------|
| 10' | 8" | 15" | L11H, L13S or Lower |
| 12' | 9" | 15" | L11H, L13S or Lower |
| 15' | 10" | 15" | L15H, L17S or lower |
| 20' | 12" | 15" | all lumen levels |
| 25' | 14" | 15" | all lumen levels |
| 30' | 16" | 15" | all lumen levels |

Ventilation: Provide 3 square inches of void per linear foot of cove. To avoid overheating the LED modules and/or drivers, air temperature inside cove should not exceed 122F.

LUMINAIRE LIGHT OUTPUT AND EFFICACY (one LED module)

| LED Module Type | Luminaire Light Output | Luminaire Efficacy (lms/watt) | System Wattage |
|----------------------------|------------------------|-------------------------------|----------------|
| 700 Lumens 90+ CRI (L07H) | 469* | 78* | 6 |
| 1100 Lumens 90+ CRI (L11H) | 745* | 74* | 10 |
| 1500 Lumens 90+ CRI (L15H) | 993* | 71* | 14 |
| 1800 Lumens 90+ CRI (L18H) | 1200* | 63* | 19 |
| 800 Lumens 80 CRI (L08S) | 552* | 92* | 6 |
| 1300 Lumens 80 CRI (L13S) | 855* | 85* | 10 |
| 1700 Lumens 80 CRI (L17S) | 1131* | 81* | 14 |
| 2100 Lumens 80 CRI (L21S) | 1379 | 73 | 19 |

*estimated values

DRIVER INFORMATION (one LED module)

UL Class 2, dry and damp location

| Voltage | 120 | 277 |
|---|--------------------------|--------------------------|
| Input Watts (L07H/L11H/L15H/L18H/L08S/L13S/L17S/L21S) | 6/10/14/19/6/10/14/19 | 6/10/14/19/6/10/14/19 |
| Input Current (A) (L07H/L11H/L15H/L18H/L08S/L13S/L17S/L21S) | .05/08/12/16/05/08/12/16 | .02/04/05/07/02/04/05/07 |
| Output Current (mA) | 150-450 | 150-450 |
| Min. Power Factor | >0.95 | >0.95 |
| Operating Temperature Range (F) | -4 to 113 | -4 to 113 |

Leading Testing Laboratories Report No. UT18070002-04a (prorated). Original test report furnished upon request.

WALLWASH INFORMATION (Vertical Footcandles)

| Distance Below Finished Ceiling (ft) | 30' High Ceiling | 25' High Ceiling | 20' High Ceiling | 15' High Ceiling | 12' High Ceiling | 10' High Ceiling |
|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|
| | 2100 lumens per LED | 2100 lumens per LED | 1700 lumens per LED | 1300 lumens per LED | 1000 lumens per LED | 700 lumens per LED |
| 1 | 123 | 133 | 125 | 112 | 103 | 75 |
| 2 | 112 | 130 | 117 | 91 | 77 | 50 |
| 3 | 107 | 109 | 91 | 70 | 60 | 39 |
| 4 | 88 | 90 | 75 | 58 | 50 | 32 |
| 5 | 76 | 78 | 65 | 49 | 41 | 26 |
| 6 | 68 | 69 | 56 | 42 | 34 | 21 |
| 7 | 61 | 61 | 49 | 36 | 29 | 18 |
| 8 | 54 | 54 | 43 | 31 | 25 | 15 |
| 9 | 49 | 47 | 37 | 26 | 21 | 13 |
| 10 | 43 | 42 | 33 | 23 | 19 | 10 |
| 11 | 38 | 37 | 29 | 20 | 17 | |
| 12 | 34 | 33 | 25 | 17 | 12 | |
| 13 | 31 | 29 | 22 | 16 | | |
| 14 | 28 | 26 | 20 | 14 | | |
| 15 | 25 | 23 | 17 | 11 | | |
| 16 | 22 | 21 | 16 | | | |
| 17 | 20 | 19 | 14 | | | |
| 18 | 18 | 17 | 13 | | | |
| 19 | 16 | 15 | 12 | | | |
| 20 | 15 | 14 | 9 | | | |
| 21 | 13 | 13 | | | | |
| 22 | 12 | 12 | | | | |
| 23 | 11 | 11 | | | | |
| 24 | 10 | 11 | | | | |
| 25 | 9 | 7 | | | | |
| 26 | 9 | | | | | |
| 27 | 8 | | | | | |
| 28 | 8 | | | | | |
| 29 | 8 | | | | | |
| 30 | 5 | | | | | |

All vertical footcandles are initial values at the center of a 15' continuous length of Spredlite CLP PV/9 with specific light output option shown in the table. Architectural light coves were modeled for each ceiling height using dimensions suggested below. Calculations assume 80% reflectance for the architectural light cove surface, 50% and 20% reflectance for lighted wall and floor.

COLOR TEMPERATURE MULTIPLIER (use 3000K as the base)

(use 3000K as the base)

| | |
|-------|-------|
| 2700K | 0.96* |
| 3000K | 1 |
| 3500K | 1.03* |
| 4000K | 1.06* |
| 5000K | 1.07* |

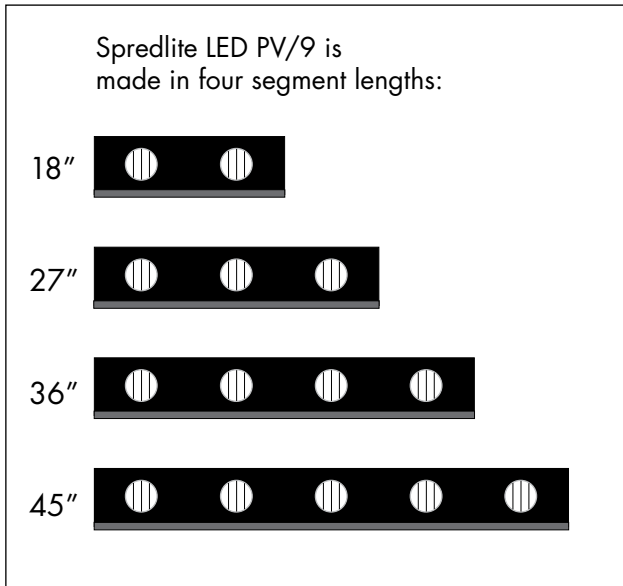
*estimated values

LIGHT OUTPUT MULTIPLIERS (use L21S as base)

| LED Module Type | Light Output Multiplier |
|----------------------------|-------------------------|
| 700 Lumens 90+ CRI (L07H) | 0.34* |
| 1100 Lumens 90+ CRI (L11H) | 0.54* |
| 1500 Lumens 90+ CRI (L15H) | 0.72* |
| 1800 Lumens 90+ CRI (L18H) | 0.87* |
| 800 Lumens 80 CRI (L08S) | 0.4* |
| 1300 Lumens 80 CRI (L13S) | 0.62* |
| 1700 Lumens 80 CRI (L17S) | 0.82* |
| 2100 Lumens 80 CRI (L21S) | 1 |

*estimated values

This sheet will help you pick which segments in which quantities will add up to a Spredlite run for the architectural cove or trough on your project.



SUGGESTED RUN LAYOUTS

| Length of Run | Spredlite Segments | | | |
|---------------|--------------------|-----|-----|-----|
| | 18" | 27" | 36" | 45" |
| 1' 6" | 1 | | | |
| 2' 3" | | 1 | | |
| 3' 0" | | | 1 | |
| 3' 9" | | | | 1 |
| 4' 6" | | 2 | | |
| 5' 3" | | 1 | 1 | |
| 6' 0" | | | 2 | |
| 6' 9" | | | 1 | 1 |
| 7' 6" | | | | 2 |
| 8' 3" | | 1 | 2 | |
| 9' 0" | | | 3 | |
| 9' 9" | | | 2 | 1 |
| 10' 6" | | | 1 | 2 |
| 11' 3" | | | | 3 |
| 12' 0" | | | 4 | |
| 12' 9" | | | 3 | 1 |
| 13' 6" | | | 2 | 2 |
| 14' 3" | | | 1 | 3 |
| 15' 0" | | | | 4 |
| 15' 9" | | | 4 | 1 |
| 16' 6" | | | 3 | 2 |
| 17' 3" | | | 2 | 3 |
| 18' 0" | | | 1 | 4 |
| 18' 9" | | | | 5 |
| 19' 6" | | | 4 | 2 |
| 20' 3" | | | 3 | 3 |
| 21' 0" | | | 2 | 4 |
| 21' 9" | | | 1 | 5 |
| 22' 6" | | | | 6 |
| 23' 3" | | | 4 | 3 |
| 24' 0" | | | 3 | 4 |

INSTALLATION GUIDELINES

Remember:

- the segment lengths listed are precise "out-to-out" dimensions
- segments can be bolted together to ensure uniform lamp spacing
- leave at least 1" between the end of the cove and the end of the nearest segment
- leave at least 2" between segments at corners